#3
RF
1-13-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: K. HANDIQUE *et al.*

Application No.: 10/075,371

Group Art Unit: 1743

Filed: February 15, 2002

Examiner: Unassigned

For: METHODS AND SYSTEMS FOR MOVING FLUID IN A MICROFLUIDIC DEVICE

Attorney Docket No.: 10255-029

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to Applicants' duty of disclosure under 37 C.F.R. § 1.56 and § 1.97(h), a list of references is submitted on the enclosed substitute Form PTO-1449 entitled "List of References Cited by Applicant", which lists 152 references in reverse chronological order. Copies of the references are enclosed for the Examiner's convenience.

Identification of these submitted references is not to be construed as an admission of Applicants or Attorneys for Applicants that such references are available as "prior art" against the subject application. Consequently, Applicants respectfully decline to use form PTO-1449, because this form identifies all of the references therein as "Prior Art." As an alternative, Applicants submit herewith the List of References Cited.

Applicants respectfully request that the Examiner review all of the references and make them of record in the present application by completing and returning the enclosed List of References.

No fee is believed to be due for this submission pursuant to § 1.97(b), as the references are being submitted before the mailing of a first Office Action on the merits.

Should any fee be required, however, please charge such fee to Pennie & Edmonds LLP Deposit Account No. 16-1150.

Respectfully submitted,

Date December 19, 2002

Julius C. Fister, III Reg. No. 46,702
For: Francis E. Morris Reg. No. 24,615

PENNIE & EDMONDS LLP
1667 K Street, N.W.
Washington, DC 20006
(202) 496-4400

Enclosures

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.	APPLICATION NO.
10255-029	10/075,371
APPLICANT	
HANDIQUE et al.	
FILING DATE	**GROUP**
February 15, 2002	1743

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
U.S. PATENT DOCUMENTS							
	AA	6,306,273	10/23/01	Wainright et al.	204	454	
	AB	6,287,254	09/11/01	Dodds	600	300	
	AC	6,130,098	10/10/00	Handique et al.	436	180	
	AD	6,057,149	05/02/00	Burns et al.	435	287.2	
	AE	6,056,860	05/02/00	Amigo et al.	204	454	
	AF	6,054,034	04/25/00	Soane et al.	204	601	
	AG	6,048,734	04/11/00	Burns et al.	436	180	
	AH	6,046,056	04/04/00	Parce et al.	436	514	
	AI	6,012,902	01/11/00	Parce	417	48	
	AJ	6,007,690	12/28/99	Nelson et al.	204	601	
	AK	6,004,515	12/21/99	Parce et al.	422	100	
	AL	6,001,307	12/14/99	Naka et al.	422	81	
	AM	6,001,231	12/14/99	Kopf-Sill	204	454	
	AN	5,997,708	12/07/99	Craig	204	601	
	AO	5,993,750	11/30/99	Ghosh et al.	422	191	
	AP	5,993,611	11/30/99	Moroney, III et al.	204	157.6	
	AQ	5,992,820	11/30/99	Fare et al.	251	129.01	
	AR	5,989,402	11/23/99	Chow et al.	204	601	
	AS	5,980,719	11/09/99	Cherukuri et al.	204	600	
	AT	5,980,704	11/09/99	Cherukuri et al.	204	269	
	AU	5,976,336	11/02/99	Dubrow et al.	204	453	
	AV	5,972,187	10/26/99	Parce et al.	204	453	
	AW	5,965,886	10/12/99	Sauer et al.	250	332	
	AX	5,965,410	10/12/99	Chow et al.	435	91.2	
	AY	5,965,001	10/12/99	Chow et al.	204	600	
	AZ	5,964,997	10/12/99	McBride	204	451	
	BA	5,964,995	10/12/99	Nikiforov et al.	204	450	
	BB	5,959,291	09/28/99	Jensen	250	214	
	BC	5,958,694	09/28/99	Nikiforov	435	6	

	BD	5,958,203	09/28/99	Parce et al.	204	451	
	BE	5,957,579	09/28/99	Kopf-Sill et al.	366	340	
	BF	5,955,029	09/21/99	Wilding et al.	422	68.1	
	BG	5,955,028	09/21/99	Chow	422	63	
	BH	5,948,227	09/07/99	Dubrow	204	455	
	BI	5,942,443	08/24/99	Parce et al.	436	514	
	BJ	5,939,291	08/17/99	Loewy et al.	435	91.2	
	BK	5,935,401	08/10/99	Amigo	204	454	
	BL	5,932,799	08/03/99	Moles	75	53.01	
	BM	5,929,208	07/27/99	Heller et al.	530	333	
	BN	5,928,880	01/27/99	Wilding et al.	435	7.21	
	BO	5,927,547	07/27/99	Papen et al.	222	57	
	BP	5,922,591	07/13/99	Anderson et al.	435	287.2	
	BQ	5,919,711	07/06/99	Boyd et al.	436	178	
	BR	5,916,776	06/29/99	Kumar	435	91.1	
	BS	5,916,522	06/29/99	Boyd et al.	422	58	
	BT	5,912,134	06/15/99	Shartle	435	7.24	
	BU	5,912,124	06/15/99	Kumar	435	6	
	BV	5,900,130	05/04/99	Benregnu et al.	204	453	
	BW	5,895,762	04/20/99	Greenfield et al.	436	43	
	BX	5,885,470	03/23/99	Parce et al.	216	33	
	BY	5,885,432	03/23/99	Hooper et al.	204	469	
	BZ	5,883,211	03/16/99	Sassi et al.	526	307.2	
	CA	5,882,465	03/16/99	McReynolds	156	285	
	CB	5,880,071	03/09/99	Parce et al.	204	453	
	CC	5,876,675	03/02/99	Kennedy	422	99	
	CD	5,874,046	02/23/99	Megerle	422	68.1	
	CE	5,872,010	02/16/99	Karger et al.	436	173	
	CF	5,869,004	02/09/99	Parce et al.	422	100	
	CG	5,866,345	02/02/99	Wilding et al.	435	7.21	
	CH	5,863,801	01/26/99	Southgate et al.	436	63	
	CI	5,863,708	01/26/99	Zanzucchi et al.	430	320	
	CJ	5,858,188	01/12/99	Soane et al.	204	454	
	CK	5,856,174	01/05/99	Lipshutz et al.	435	286.5	
	CL	5,852,495	12/22/98	Parce	356	344	
	CM	5,849,598	12/15/98	Wilson et al.	436	180	

	CN	5,849,489	12/15/98	Heller	435	6	
	CO	5,849,486	12/15/98	Heller et al.	435	6	
	CP	5,846,396	12/08/98	Zanzucchi et al.	204	601	
	CQ	5,842,787	12/01/98	Kopf-Sill et al.	366	340	
	CR	5,842,106	11/24/98	Thaler et al.	419	8	
	CS	5,827,481	10/27/98	Bente et al.	422	81	
	CT	5,800,690	09/01/98	Chow et al.	204	451	
	CU	5,788,814	08/04/98	Sun et al.	204	297	
	CV	5,787,032	07/28/98	Heller et al.	365	151	
	CW	5,779,868	07/14/98	Parce et al.	204	604	
	CX	5,772,966	06/30/98	Maraças et al.	422	100	
	CY	5,770,029	06/23/98	Nelson et al.	204	604	
	CZ	5,763,262	06/09/98	Wong et al.	435	287.2	
	DA	5,755,942	05/26/98	Zanzucchi et al.	204	454	
	DB	5,750,015	05/12/98	Soane et al.	204	454	
	DC	5,747,666	05/05/98	Willis	73	1.02	
	DD	5,731,212	03/24/98	Gavin et al.	436	526	
	DE	5,726,026	03/10/98	Wilding et al.	435	7.21	
	DF	5,699,157	12/16/97	Parce	356	344	
	DG	5,683,657	11/04/97	Mian	422	68.1	
	DH	5,681,529	10/28/97	Taguchi et al.	422	61	
	DI	5,681,484	10/28/97	Zanzucchi et al.	216	2	
	DJ	5,652,149	07/29/97	Mileaf et al.	436	518	
	DK	5,646,039	07/08/97	Northrup et al.	435	287.2	
	DL	5,643,738	07/01/97	Zanzucchi et al.	435	6	
	DM	5,639,423	06/17/97	Northrup et al.	122	50	
	DN	5,637,469	06/10/97	Wilding et al.	435	7.21	
	DO	5,635,358	01/03/97	Wilding et al.	435	7.2	
	DP	5,632,957	05/27/97	Heller et al.	422	68.1	
	DQ	5,632,876	05/27/97	Zanzucchi et al.	204	600	
	DR	5,631,337	05/20/97	Sassi et al.	526	307.2	
	DS	5,628,890	05/13/97	Carter et al.	204	403	
	DT	5,605,662	02/25/97	Heller et al.	422	68.1	
	DU	5,603,351	02/18/97	Cherukuri et al.	137	597	
	DV	5,599,503	02/04/97	Manz et al.	422	82.05	
	DW	5,599,432	02/04/97	Manz et al.	204	451	

	DX	5,593,838	01/14/97	Zanzucchi et al.	435	6	
	DY	5,589,136	12/31/96	Northrup et al.	422	102	
	DZ	5,587,128	12/24/96	Wilding et al.	422	50	
	EA	5,585,089	12/17/96	Queen et al.	424	133.1	
	EB	5,585,069	12/17/96	Zanucchi et al.	422	100	
	EC	5,580,523	12/03/96	Bard	422	50	
	ED	5,569,364	10/29/96	Hooper et al.	204	455	
	EE	5,565,171	10/15/96	Dovichi et al.	422	68.1	
	EF	5,559,432	09/24/96	Logue	324	207.17	
	EG	5,519,635	05/21/96	Miyake et al.	364	497	
	EH	5,503,803	04/02/96	Brown	422	102	
	EI	5,498,392	03/12/96	Wilding et al.	422	68.1	
	EJ	5,486,335	01/23/96	Wilding et al.	422	55	
	EK	5,427,946	06/27/95	Kricka et al.	435	291	
	EL	5,411,708	05/02/95	Moscetta et al.	422	81	
	EM	5,374,395	12/20/94	Robinson et al.	422	64	
	EN	5,372,946	12/13/94	Cusak et al	436	69	
	EO	5,339,486	08/23/94	Persic, Jr.	15	244.1	
	EP	5,316,727	05/31/94	Suzuki et al.	422	68.1	
	EQ	5,304,487	04/19/94	Wilding et al.	435	291	
	ER	5,304,477	04/19/94	Nagoh et al.	435	134	
	ES	5,296,375	03/22/94	Kricka et al.	435	291	
	ET	5,282,950	02/01/94	Dietze et al.	204	406	
	EU	5,250,263	10/05/93	Manz	422	81	
	EV	5,208,163	05/04/93	Charlton et al.	436	63	
	EW	5,147,606	09/15/92	Charlton et al.	422	56	
	EX	5,135,872	08/04/92	Pouletty et al.	436	180	
	EY	5,135,627	08/04/92	Soane	204	182.8	
	EZ	5,126,022	06/30/92	Soane et al.	204	180.1	
	FA	5,126,002	06/30/92	Iwata et al.	156	468	
	FB	5,071,531	12/10/91	Soane	204	182.8	
	FC	5,064,618	11/12/91	Baker et al.	422	82.01	
	FD	5,061,336	10/29/91	Soane	156	245	
	FE	5,053,199	10/01/91	Keiser et al.	422	68.1	
	FF	5,004,583	04/02/91	Guruswamy et al.	422	58	
	FG	5,001,417	03/19/91	Pumphrey et al.	324	71.5	

	FH	4,989,626	02/05/91	Takagi et al.	137	828	
	FI	4,963,498	10/16/90	Hillman et al.	436	69	
	FJ	4,949,742	08/21/90	Rando et al.	137	828	
	FK	4,946,562	08/07/90	Guruswamy	204	153.1	
	FL	4,673,657	06/16/87	Christian	436	501	
	FM	4,654,127	03/31/87	Baker et al.	204	1 T	
	FN	4,612,959	09/23/86	Costello	137	251.1	
	FO	4,139,005	02/13/79	Dickey	138	74	
	FP	3,528,449	09/15/70	Witte et al.	137	251.1	
	FQ	1,773,401	08/19/30	Lovekin	137	74	
	FR	1,616,419	02/01/27	Wilson	137	251.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER REFERENCES (*Including Author, Title, Date, Pertinent Pages, Etc.*)

	FS	Handique and Burns, 2001, "Mathematical Modeling of Drop Mixing in a Slit-Type Microchannel", J. Micromech. Microeng. 11:548-554
	FT	Handique et al., 2001, "On-Chip Thermopneumatic Pressure for Discrete Drop Pumping," Anal. Chem. 73:1831-1838
	FU	Handique et al., 2000, "Nanoliter Liquid Metering in Microchannels Using Hydrophobic Patterns," Anal. Chem. 72:4100-4109
	FV	Burns et al., 1998, "An Integrated Nanoliter DNA Analysis Device," Science 282:484-487

EXAMINER	**DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with **MPEP 609**; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.